

=> d his

(FILE 'HOME' ENTERED AT 15:58:26 ON 12 NOV 2002)

INDEX 'ADISALERTS, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,
BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO,
CABA,
CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,
DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 16:00:29 ON
12 NOV 2002

SEA (OIL (2A) (OCIMUM BASILICUM OR O.BASILICUM OR BASIL)) OR
(OI

1 FILE ADISINSIGHT
60 FILE AGRICOLA
17 FILE ANABSTR
2 FILE AQUASCI
34 FILE BIOBUSINESS
132 FILE BIOSIS
8 FILE BIOTECHABS
8 FILE BIOTECHDS
6 FILE BIOTECHNO
134 FILE CABA
3 FILE CANCERLIT
615 FILE CAPLUS
43 FILE CIN
3 FILE CONFSCI
4 FILE CROPB
22 FILE CROPU
15 FILE DDFB
43 FILE DDFU
15 FILE DRUGB
31 FILE DRUGLAUNCH
368 FILE DRUGMONOG2
48 FILE DRUGU
3 FILE EMBAL
57 FILE EMBASE
16 FILE ESBIODASE
3 FILE FOREGE
99 FILE FROSTI
119 FILE FSTA
32 FILE IFIPAT
13 FILE JICST-EPLUS
23 FILE KOSMET
21 FILE LIFESCI
31 FILE MEDLINE
4 FILE NIOSHTIC
1 FILE NTIS
45 FILE PASCAL
1 FILE PHAR
2 FILE PHIN
260 FILE PROMT
56 FILE SCISEARCH
61 FILE TOXCENTER
517 FILE USPATFULL
4 FILE USPAT2
1 FILE VETU
143 FILE WPIDS
143 FILE WPINDEX

L1
(OI

QUE (OIL (2A) (OCIMUM BASILICUM OR O.BASILICUM OR BASIL)) OR

OR

SEA FENCHONE OR DL-FENCHONE OR TRANS-ANETHOL OR TANS ANETHOL

114 FILE AGRICOLA
47 FILE ANABSTR
1 FILE AQUASCI
74 FILE BIOBUSINESS
247 FILE BIOSIS
11 FILE BIOTECHABS
11 FILE BIOTECHDS
23 FILE BIOTECHNO
228 FILE CABA
12 FILE CANCERLIT
1863 FILE CAPLUS
2 FILE CEABA-VTB
3 FILE CIN
4 FILE CONFSCI
6 FILE CROPB
58 FILE CROPU
31 FILE DDFB
38 FILE DDFU
31 FILE DRUGB
3 FILE DRUGLAUNCH
38 FILE DRUGMONOG2
45 FILE DRUGU
2 FILE EMBAL
104 FILE EMBASE
48 FILE ESBIODBASE
1 FILE FEDRIP
3 FILE FOREGE
84 FILE FROSTI
139 FILE FSTA
1 FILE GENBANK
1 FILE HEALSAFE
43 FILE IFIPAT
29 FILE JICST-EPLUS
24 FILE KOSMET
65 FILE LIFESCI
81 FILE MEDLINE
5 FILE NIOSHTIC
3 FILE NTIS
137 FILE PASCAL
39 FILE PROMT
253 FILE SCISEARCH
1 FILE SYNTHLINE
249 FILE TOXCENTER
571 FILE USPATFULL
7 FILE USPAT2
1 FILE VETU
59 FILE WPIDS
59 FILE WPINDEX

L2
OR

QUE FENCHONE OR DL-FENCHONE OR TRANS-ANETHOL OR TANS ANETHOL

SEA (L1 OR L2) (10A) (PARABEN OR BENZOIC ADJ ACID)

1 FILE AGRICOLA
1 FILE BIOSIS
2 FILE CABA
2 FILE CAPLUS

SEA (L1 OR L2) (10A) (PARABEN OR BENZOIC ACID)

1 FILE AGRICOLA

2 FILE BIOSIS
2 FILE CABA
5 FILE CAPLUS
1 FILE DRUGU
1 FILE EMBASE
1 FILE ESBIODASE
1 FILE FROSTI
1 FILE JICST-EPLUS
2 FILE LIFESCI
1 FILE MEDLINE
1 FILE PASCAL
1 FILE PROMT
1 FILE SCISEARCH
1 FILE TOXCENTER
4 FILE USPATFULL

L3 QUE (L1 OR L2) (10A) (PARABEN OR BENZOIC ACID)

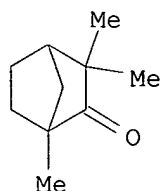
FILE 'CAPLUS, BIOSIS, CABA, LIFESCI, AGRICOLA, MEDLINE, PROMT,
SCISEARCH,

TOXCENTER' ENTERED AT 16:15:18 ON 12 NOV 2002

L4 16 S L3

L5 8 DUP REM L4 (8 DUPLICATES REMOVED)

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS
 RN 1195-79-5 REGISTRY
 CN Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimethyl- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 2-Norbornanone, 1,3,3-trimethyl- (6CI, 8CI)
 OTHER NAMES:
 CN (.+-.)-Fenchone
 CN 1,3,3-Trimethyl-2-norbornanone
 CN 1,3,3-Trimethylbicyclo[2.2.1]heptan-2-one
 CN 1,3,3-Trimethylnorcamphor
 CN dl-Fenchone
 CN **Fenchone**
 FS 3D CONCORD
 DR 126-21-6, 18492-37-0
 MF C10 H16 O
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
 BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX,
 CHEMLIST, CSCHEM, DDFU, DETHERM*, DRUGU, EMBASE, GMELIN*, HODOC*,
 IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, NAPRALERT, NIOSHTIC, RTECS*,
 SPECINFO, TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)

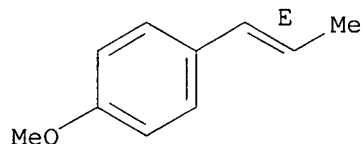


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

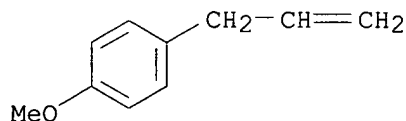
915 REFERENCES IN FILE CA (1962 TO DATE)
 6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 916 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS
 RN 4180-23-8 REGISTRY
 CN Benzene, 1-methoxy-4-(1E)-1-propenyl- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Anisole, p-propenyl-, (E)- (8CI)
 CN Benzene, 1-methoxy-4-(1-propenyl)-, (E)-
 OTHER NAMES:
 CN (E)-1-(4-Methoxyphenyl)propene
 CN (E)-1-p-Methoxyphenylpropene
 CN (E)-Anethol
 CN (E)-Anethole
 CN 1-Methoxy-4-[(1E)-1-propenyl]benzene
 CN trans-1-(4-Methoxyphenyl)-1-propene
 CN trans-1-(p-Methoxyphenyl)-1-propene
 CN trans-1-(p-Methoxyphenyl)propene
 CN trans-1-p-Anisylpropene
 CN trans-4-(1-Propenyl)anisole
 CN trans-Anethol
 CN **trans-Anethole**
 CN trans-p-Anethole
 CN trans-p-Methoxy-.beta.-methylstyrene
 FS STEREOSEARCH
 DR 57131-42-7, 109957-71-3
 MF C10 H12 O
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA,
 CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM,
 DETHERM*, GMELIN*, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MRCK*,
 NIOSHTIC,
 PROMT, RTECS*, SPECINFO, TOXCENTER, USAN, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)

Double bond geometry as shown.



L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS
 RN 140-67-0 REGISTRY
 CN Benzene, 1-methoxy-4-(2-propenyl)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Anisole, p-allyl- (8CI)
 CN **Estragole (6CI)**
 CN Ether, p-allylphenyl methyl (7CI)
 OTHER NAMES:
 CN 1-Allyl-4-methoxybenzene
 CN 1-Methoxy-4-(2-propenyl)benzene
 CN 3-(4-Methoxyphenyl)-1-propene
 CN 3-(p-Methoxyphenyl)-1-propene
 CN 3-(p-Methoxyphenyl)propene
 CN 4-Allylanisole
 CN 4-Allylmethoxybenzene
 CN 4-Methoxyallylbenzene
 CN Chavicol methyl ether
 CN Chavicol, methyl-
 CN Chavicol, O-methyl-
 CN Esdragol
 CN Esdragole
 CN Esdragon
 CN Estragol
 CN Isoanethole
 CN Methyl chavicol
 CN p-Allylanisole
 CN p-Allylphenyl methyl ether
 CN p-Methoxyallylbenzene
 FS 3D CONCORD
 DR 1407-27-8, 77525-18-9
 MF C10 H12 O
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
 BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS,
 CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DRUGU,
 EMBASE, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*,
 NAPRALERT, NIOSHTIC, PIRA, PROMT, RTECS*, SPECINFO, SYNTHLINE,
 TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)



L5 ANSWER 5 OF 8 MEDLINE
 AN 1998186601 MEDLINE
 DN 98186601 PubMed ID: 9552716
 TI Inhibition of *Listeria monocytogenes* and *Salmonella enteritidis* by combinations of plant oils and derivatives of benzoic acid: the development of synergistic antimicrobial combinations.
 AU Fyfe L; Armstrong F; Stewart J
 CS Department of Dietetics and Nutrition, Queen Margaret College, Edinburgh, UK.
 SO INTERNATIONAL JOURNAL OF ANTIMICROBIAL AGENTS, (1997 Jan) 9 (3), 195-9.
 Journal code: 9111860. ISSN: 0924-8579.
 CY Netherlands
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199804
 ED Entered STN: 19980430
 Last Updated on STN: 19990129
 Entered Medline: 19980423
 AB This study describes inhibitory properties of combinations of oil of **fennel**, oil of anise or oil of **basil** with either **benzoic acid** or methyl-**paraben** against *Listeria monocytogenes* and *Salmonella enteritidis*. Micro-organisms were cultured at 37 degrees C in broth and viable counts measured over a 48-h period. *S. enteritidis* was particularly sensitive to inhibition by a combination of oil of anise, **fennel** or basil with methyl-**paraben** where there was < 10 CFU/ml after 1 h. *L. monocytogenes* was less sensitive to inhibition by each combination however there was a significant reduction in growth of 4-8 log by combinations of all oils and methyl-**paraben** at 8, 24 and 48 h.
 Synergistic inhibition by one or more combinations was evident against each micro-organism.
 CT Check Tags: Support, Non-U.S. Gov't
 *Anti-Infective Agents: PD, pharmacology
 Apiaceae
 *Benzoates: PD, pharmacology
 Benzoic Acid
 Drug Combinations
 Drug Synergism
 Ferula
 Food Microbiology
 Food Preservatives: PD, pharmacology
 **Listeria monocytogenes*: DE, drug effects
Listeria monocytogenes: GD, growth & development
 *Parabens: PD, pharmacology
 *Plant Oils: PD, pharmacology
 Plants, Medicinal
 Plants, Toxic
 Reproducibility of Results
 **Salmonella enteritidis*: DE, drug effects
Salmonella enteritidis: GD, growth & development
 RN 65-85-0 (Benzoic Acid); 8015-73-4 (basil oil); 99-76-3 (methylparaben)
 CN 0 (Anti-Infective Agents); 0 (Benzoates); 0 (Drug Combinations); 0 (Food Preservatives); 0 (Parabens); 0 (Plant Oils)

DUPLICATE 3

7. Incorporated